

Claims

1. A method for broadcasting of a possibility to use UMTS service in a cell under control of a GERAN type radio access network having an Iu interface to a 3G core network, a radio resource management system of the radio access network comprising a first and a second message, which messages are transferred on a first broadcast control channel in said cell, and which first message has at least one spare bit, wherein said first message is System Information 3 of GSM system, and the method comprises using of said spare bit for indicating whether said cell supports an UMTS service, and in a favourable case
5 - describing a second broadcast control channel in the second message to at least Iu mobile stations, and
- broadcasting UMTS service information for Iu mobile stations on the second broadcast control channel.
- 10 2. The method of claim 1, said first channel being BCCH of the GSM system and
15 said second channel being PBCCH of the GSM system.
- 15 3. The method of claim 1, the radio access network supporting the UMTS-service and not supporting a GPRS service, wherein said first message further comprises an Iu indicator field, and said second message is System Information 13alt of the GSM system and is legible only to Iu mobile stations.
- 20 4. The method of claim 1, the radio access network supporting both the UMTS service and a GPRS service, wherein said second message is System Information 13 of the GSM system.
- 25 5. A method of claim 4, the second channel being available also to the GPRS service, wherein said message System Information 13 is legible only to Iu mobile stations and Gb mobile stations.
- 30 6. A method of claim 4, the second channel being not available to the GPRS service, wherein a description of the second channel in the message System Information 13 is legible only to Iu mobile stations.
7. A method of claim 3, said Iu indicator field indicating, whether normal BCCH or extended BCCH is used to transfer the second message.

8. The method of claim 1, said cell being barred against UMTS operation through Iu interface by indicating with said spare bit that UMTS service is not supported in said cell.